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DETAIL**JAPANESE****LEGAL
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1. JP.2002-134132
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PATENT ABSTRACTS OF JAPAN

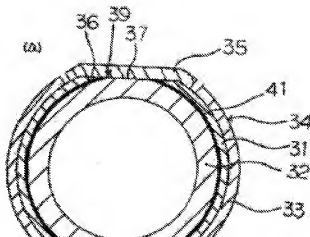
(11)Publication number : 2002-134132
 (43)Date of publication of application : 10.05.2002

(51)Int.Cl. H01M 8/02
 H01M 4/86
 H01M 8/12

(21)Application number : 2000-329629 (71)Applicant : KYOCERA CORP
 (22)Date of filing : 27.10.2000 (72)Inventor : NISHIHARA MASAHITO
 SHIGEHISA TAKASHI
 YAMASHITA SHOJI

(54) SOLID ELECTROLYTE FUEL CELL AND ITS MANUFACTURING METHOD

(57)Abstract:
 PROBLEM TO BE SOLVED: To provide a cell of a solid electrolyte fuel cell, capable of providing high output density at early stage and keeping high output density over a long time, and to provide the manufacturing



method thereof.

SOLUTION: The cell of the solid electrolyte fuel cell is manufactured, in such a way that a solid electrolyte 31 whose main component is ZrO_2 and a fuel

electrode 33 are stacked on the surface of an air electrode 32, comprising a perovskite type composite oxide containing La and Mn, and the air electrode 32 and the solid electrolyte 31 are sintered simultaneously. A diffusion preventing layer 41 comprising an oxide of Y, Zr, and Ce is formed between the solid electrolyte 31 and the air electrode 32.

